

Name: _____

Date: _____

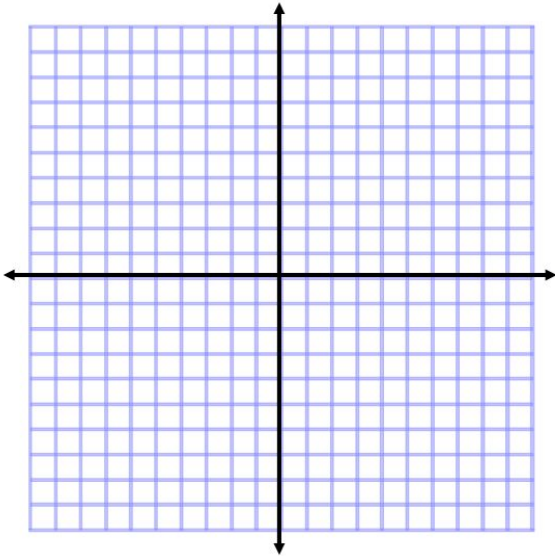
Standard Form Homework

Part One: Find the coordinates of the x- and y-intercepts of each linear equation. Show your work. Then, graph using the intercepts.

1. $x - 3y = -6$

x-intercept: (_____, _____)

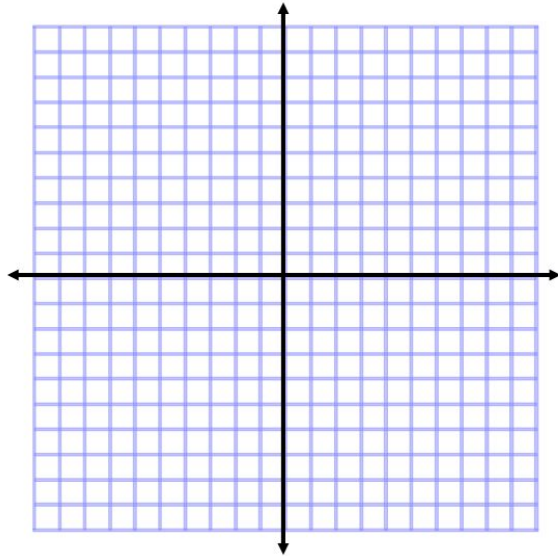
y-intercept: (_____, _____)



2. $2x + 4y = 8$

x-intercept: (_____, _____)

y-intercept: (_____, _____)



Turn Paper Over!

Part Two: Algebraic Sentences: Answer each question in at least TWO complete sentences using algebraic terms. Be sure to echo the prompt.

3. Gerard says the x -intercept of $6x + 12y = 12$ is $(0, 2)$. Is he correct? Explain.

4. You are given the coordinate $(9, 0)$. Is this an x -intercept or y -intercept? How do you know this?

Part Three: Fill in the Blanks (Review): Fill in the blanks with the correct algebraic term.

5. The _____ property is the property that helps us simplify expressions like $5(3x - 6)$.

6. The line of a linear inequality is called the _____ line.

7. A system of _____ lines has no solution.

8. The solution of a system of linear inequalities is a _____.

9. The _____ property is the property that says we can switch the order of multiplication or addition. (For example: $5 + 6 = 6 + 5$ and $5(6) = 6(5)$.)

10. The three methods for solving a system of linear equations are graphing, substitution and

Algebraic Term Bank: Note: Not all terms are used.

elimination	distributive	associative	commutative	point
region	parallel	perpendicular	boundary	